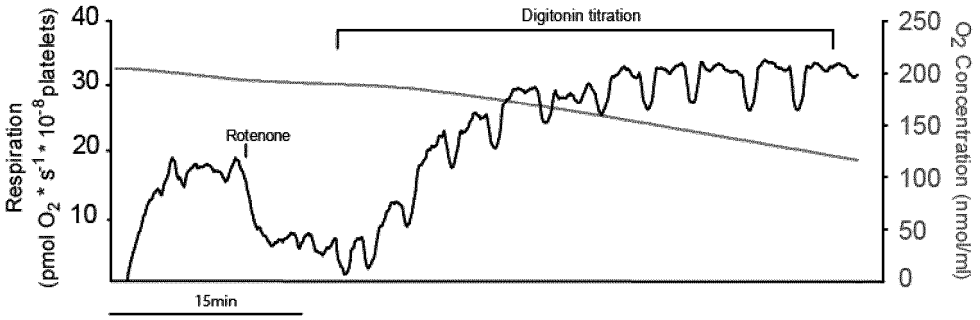


Figure 1

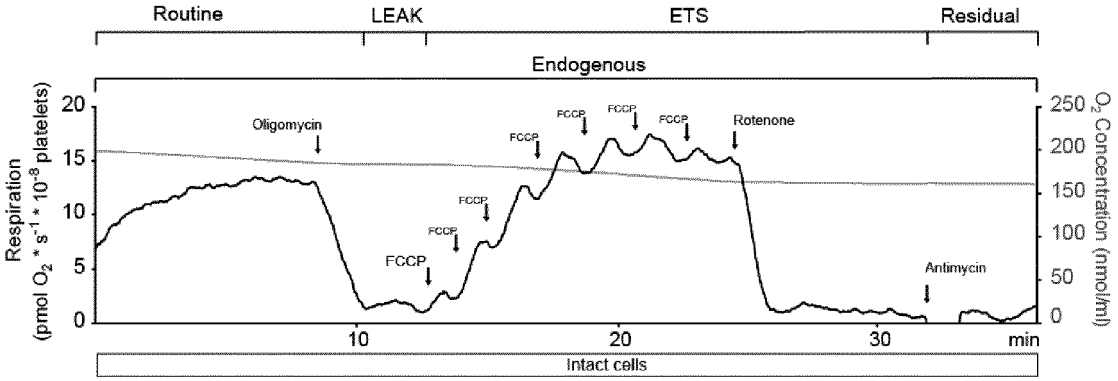
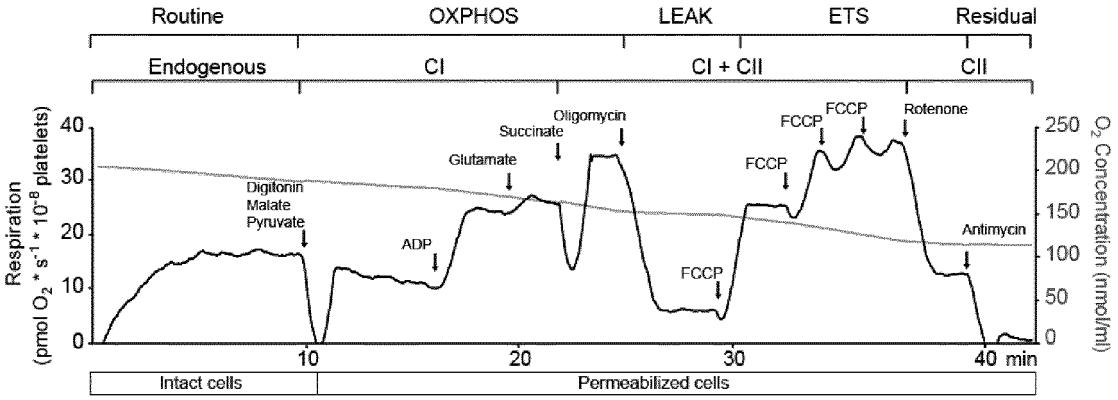


Figure 2

Figure 3



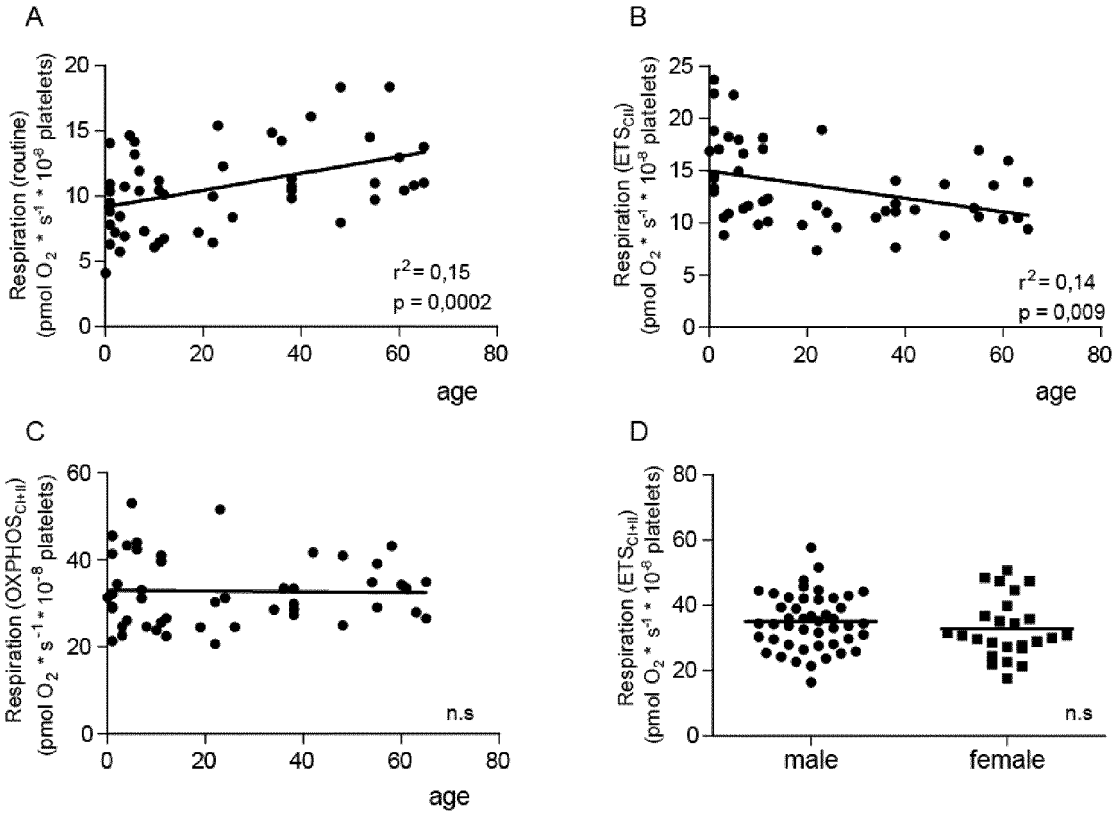


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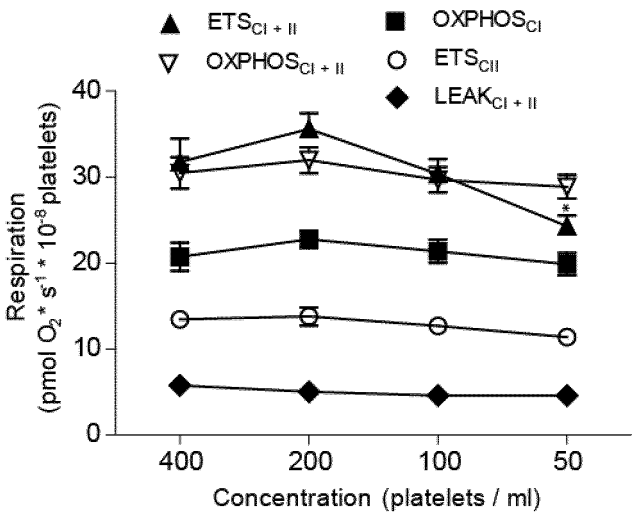
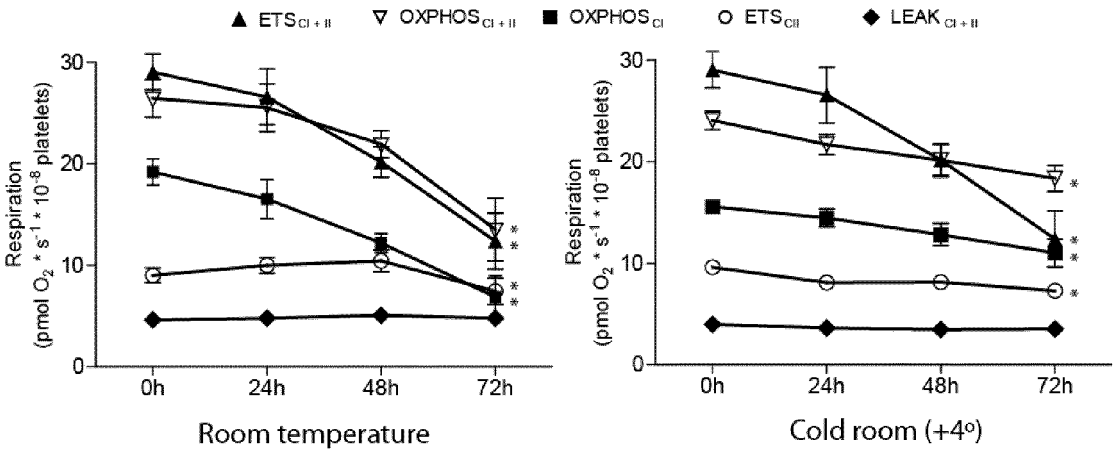


Figure 5

Figure 6


ETS CI + II
OXPHOS CI + II
OXPHOS CI
ETS CII
LEAK CI + II
Respiration (pmol O2 * s-1 * 10-8 platelets)
30
20
10
0
0h
24h
48h
72h
Room temperature
Cold room (+4°)

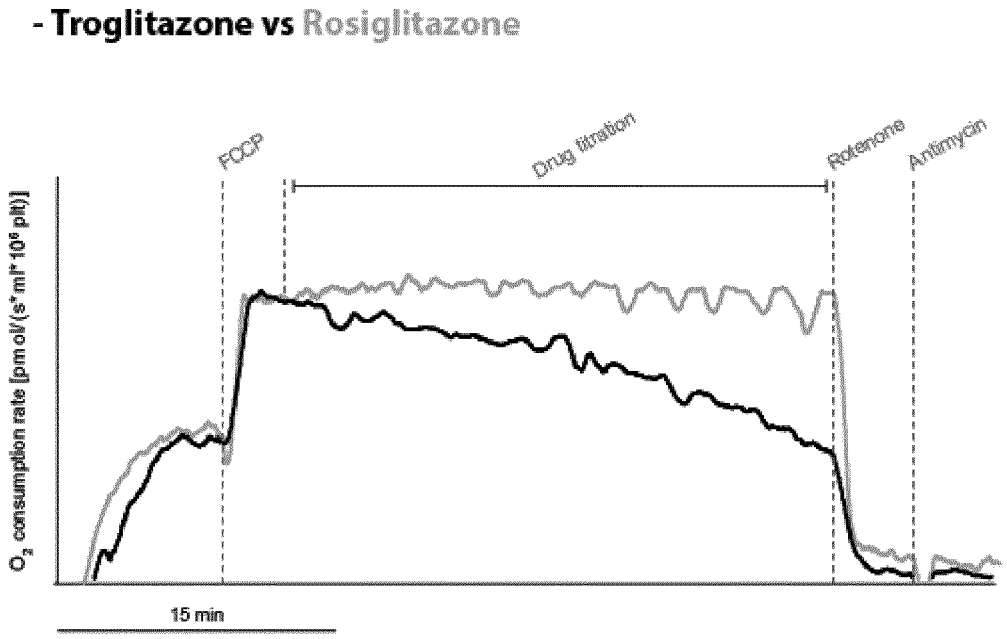

- Troglitazone vs Rosiglitazone
FCCP
Drug titration
Rotenone
Antimycin
O2 consumption rate [pmol/(s*ml*10^6 plt)]
15 min

Figure 7

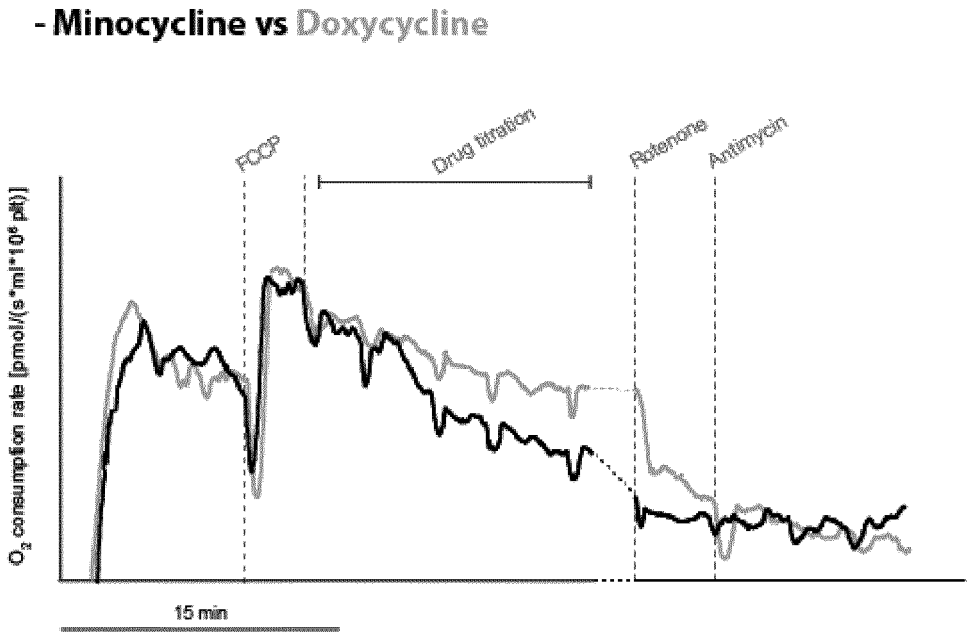

- Minocycline vs Doxycycline
FCCP
Drug titration
Rotenone
Antimycin
O2 consumption rate [pmol/(s*ml*10^6 plt)]
15 min

Figure 8

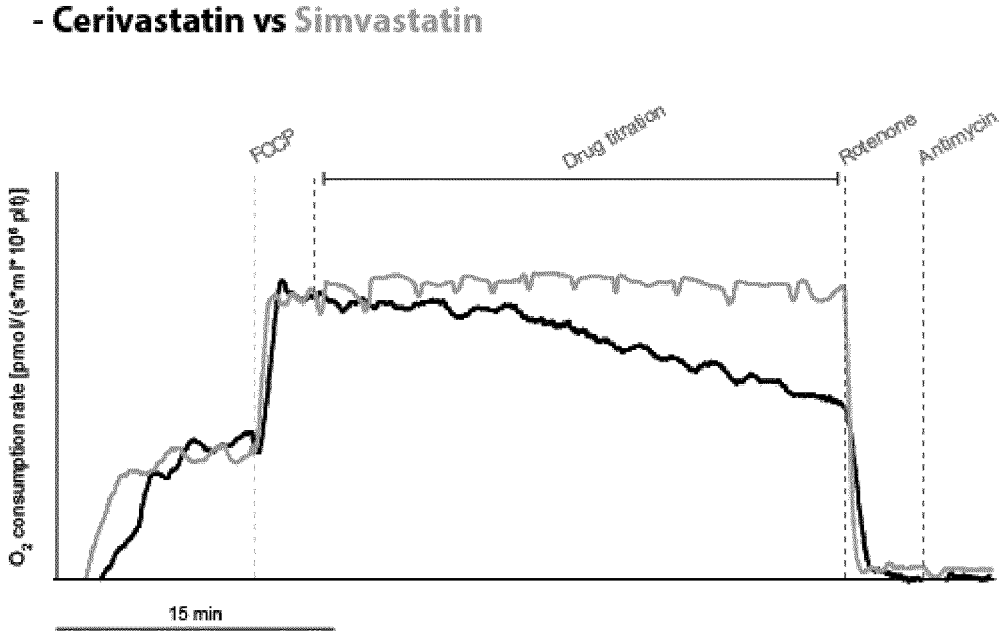

- Cerivastatin vs Simvastatin
FCCP
Drug titration
Rotenone
Antimycin
O2 consumption rate [pmol/(s*ml*10^6 pl0)]
15 min

Figure 9

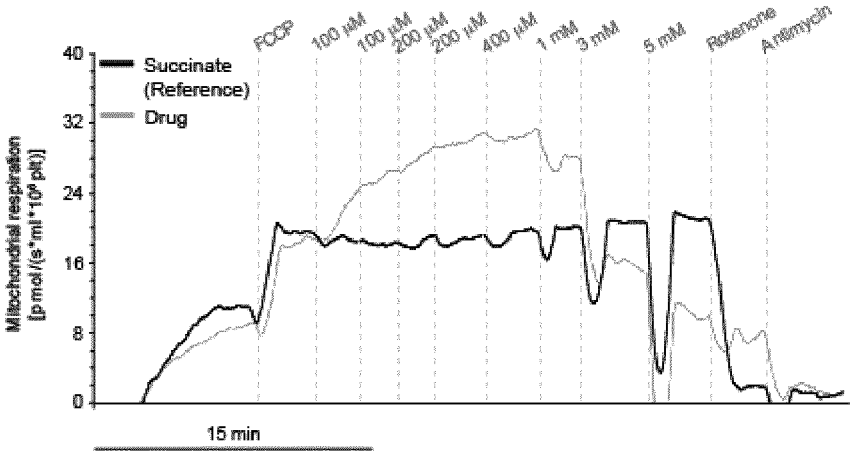

FCCP
100 µM
100 µM
200 µM
200 µM
400 µM
1 mM
3 mM
5 mM
Rotenone
Antimycin
Succinate
(Reference)
Drug
Mitochondrial respiration
[pmol/(s*ml*10^6 pkt)]
40
32
24
16
8
0
15 min

Figure 10

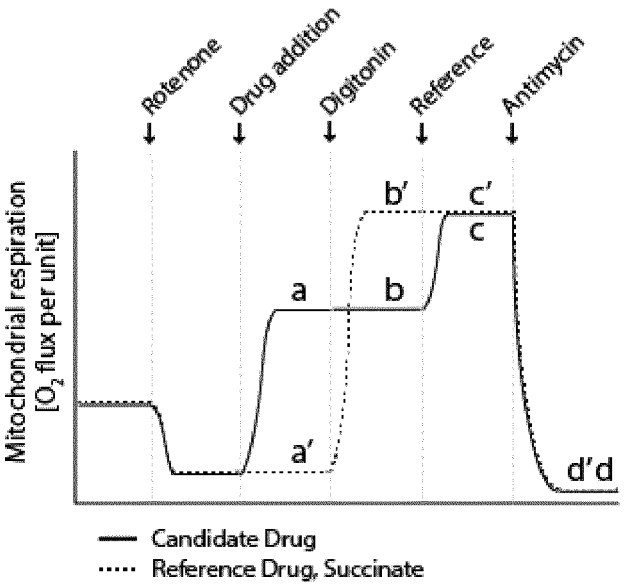


Fig 11. Schematic figure of mitochondrial complex II screening assay.

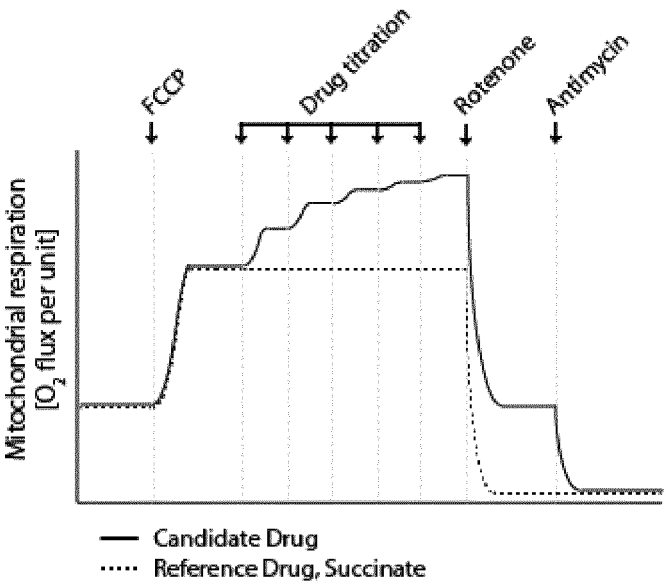


Fig 12. Schematic figure of mitochondrial convergent respiration screening assay.

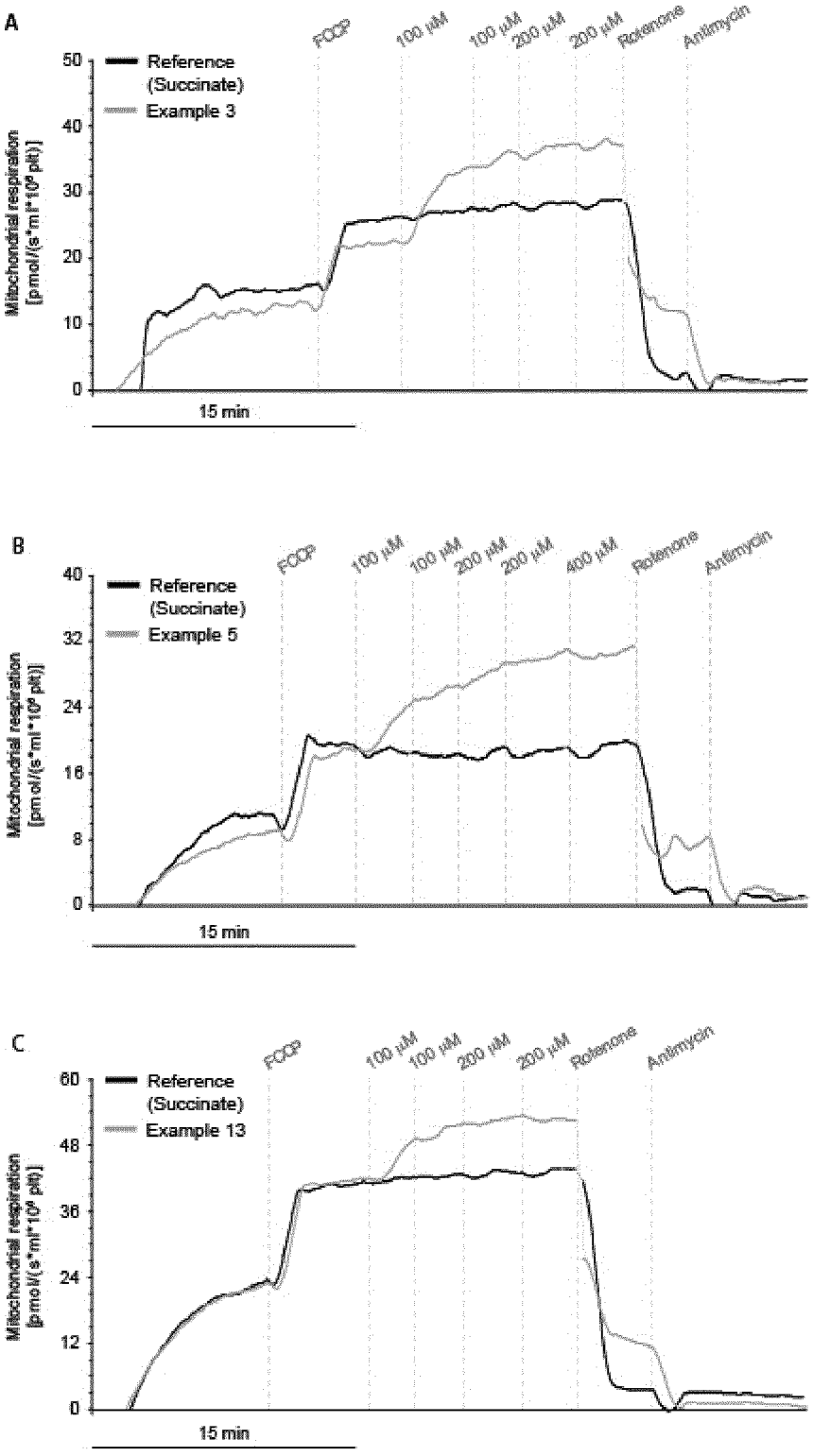


Fig 13. Exemplifying experimental traces for convergent mitochondrial respiration.

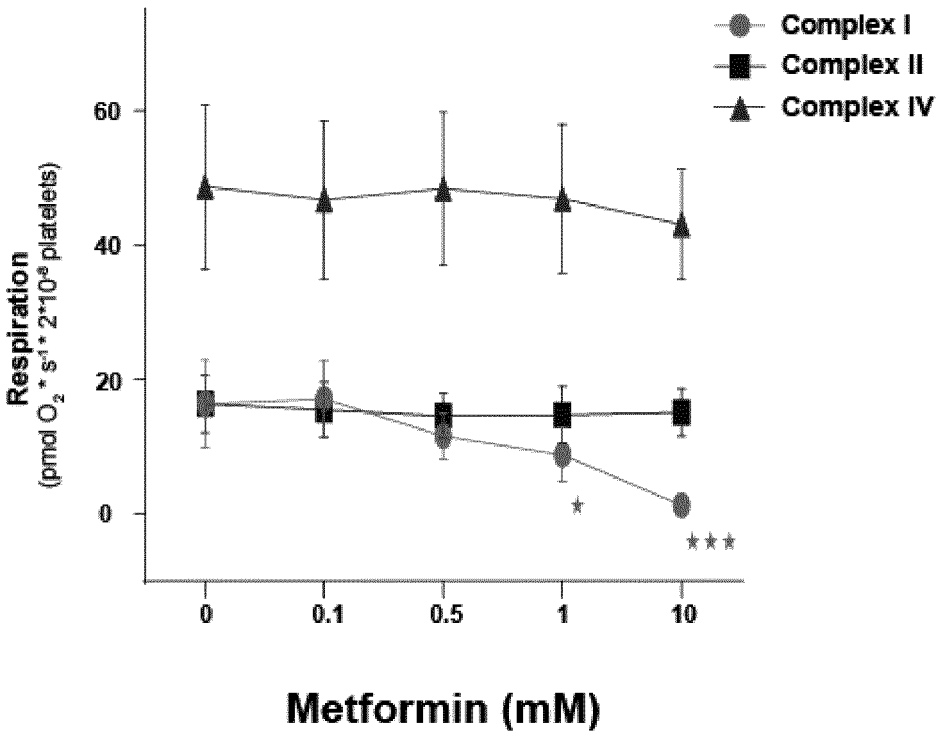

Complex I
Complex II
Complex IV
Respiration
(pmol O_2 * s^{-1} * $2*10^{-8}$ platelets)
60
40
20
0
0
0.1
0.5
1
10
Metformin (mM)

Fig. 14